



Board of Transportation, April 7, 2016

Product Evaluation Program Awareness

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Innovative Technologies and Products Awareness Plan Overview

Plan Vision and Goal

- ✓ *Increase the Use of Innovative Technologies and Products by Bringing Greater Visibility and Public Awareness to NCDOT's Product Evaluation Program*
- ✓ *Become a Global Leader in Providing Innovative Transportation Solutions*
- ✓ *Shift From a Passive Business Model to an Active Pursuit of New Technologies and Products*
- ✓ *Comprehensive Product Evaluation Program Will Now Be Enhanced*



Innovative Technologies and Products Awareness Plan Overview

Strategy

✓ Marketing and Communications

- Expand the mass appeal of new innovative technologies and products while marketing for innovative solutions NCDOT needs
- Continuous Request For Information (RFI)

✓ Information Technology

- Improve our internal efficiencies and the evaluation process

✓ Product and Technology Implementation

- Improve our success rate of implementation
- Research Projects
- Outreach to other state DOTs regarding their Product Evaluation Process



Proposed Timeline

- | | |
|-----------------|--|
| ☑ December 2015 | Board of Transportation's Innovative Technologies and Products Awareness Plan Submitted to the JLTOC |
| ☑ March 2016 | First Meeting of Technology and Products Oversight Committee |
| May 2016 | Committee Sets Milestones & Metrics for the Product Evaluation Program |
| June 2016 | Product Evaluation Program Launches Revised Products Web Portal |
| July 2016 | 2 nd Quarterly Implementation Update to the Board of Transportation |



Quarterly Product Status Review

Product Name	Product Status	Presented
Turtle Friendly Red Flood Light	Under Evaluation	January 7, 2016
Lookout Warning Alert	Under Evaluation	February 4, 2016
Basalt Fiber Reinforced Polymer Rebar (BFRP)	Under Evaluation	March 3, 2016



Product Highlight (Approved)

Honeywell Titan® 1867

- Honeywell Titan® is a polymer additive which improves pavement structure and extends the life of asphalt pavement according to the manufacturer.
- Honeywell Titan® additives acts as a lubricant to serve as an anti-strip, compaction aid and anti-rutting additive.



Product Highlight (Under Evaluation)

MoorMaster – Automated Mooring System

- MoorMaster is a vacuum-based automated mooring technology that can safely, efficiently, and quickly moor ships.
- Eliminates the need for conventional mooring lines and increases personnel safety.
- Faster turnaround time in port with improved operations' safety and efficiency; one man can moor a ship with remote control.

